

Title (en)

Method for preparing a high-concentration solids suspension in water.

Title (de)

Verfahren zur Herstellung einer wässrigen Suspension hoher Konzentration.

Title (fr)

Méthode de préparation d'une suspension aqueuse à haute concentration en solides.

Publication

**EP 0325309 B1 19940406 (EN)**

Application

**EP 89200014 A 19890104**

Priority

IT 1914388 A 19880121

Abstract (en)

[origin: EP0325309A1] A method is described for preparing a high-concentration solids suspension, in particular coal or petroleum coke, which can be transported by pipe and be burnt with low emission of harmful substances, comprising crushing the solid to be suspended to a maximum particle size of 6 mm and then grinding it in the presence of additives in aqueous solution to a maximum solid particle size of 300  $\mu$ m, the method being characterized by adding, either before the crushing or immediately before the grinding, a desulphurizer chosen from  $\text{CaCO}_3$ ,  $\text{MgCO}_3$  and dolomite, either alone or in mixture, in a molar ratio to the sulphur contained in the solid of between 1.5 and 3, and adding immediately before or during grinding a desulphurizer also possessing stabilizing and anticorrosive properties and chosen from  $\text{MgO}$ ,  $\text{Mg(OH)}_2$ ,  $\text{CaO}$  and  $\text{Ca(OH)}_2$ , either alone or in mixture, in a quantity of between 0.04 and 0.4% by weight of the final suspension.

IPC 1-7

**C10L 1/32**

IPC 8 full level

**F23K 1/02** (2006.01); **C10L 1/32** (2006.01)

CPC (source: EP US)

**C10L 1/326** (2013.01 - EP US)

Cited by

CN1304537C; EA009218B1; US8262385B2; US10174268B2; WO02070634A1; US9752086B2; US10563144B2

Designated contracting state (EPC)

AT BE CH DE ES FR GB GR LI LU NL SE

DOCDB simple family (publication)

**EP 0325309 A1 19890726**; **EP 0325309 B1 19940406**; AT E103966 T1 19940415; DE 68914297 D1 19940511; DE 68914297 T2 19940804; ES 2050777 T3 19940601; IT 1233848 B 19920421; IT 8819143 A0 19880121; JP H01219409 A 19890901; RU 1833407 C 19930807; US 4983187 A 19910108

DOCDB simple family (application)

**EP 89200014 A 19890104**; AT 89200014 T 19890104; DE 68914297 T 19890104; ES 89200014 T 19890104; IT 1914388 A 19880121; JP 1006189 A 19890120; SU 4613300 A 19890120; US 29309289 A 19890103